

How to Remove and Install a Subaru SVX Alternator

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Removal of the Alternator

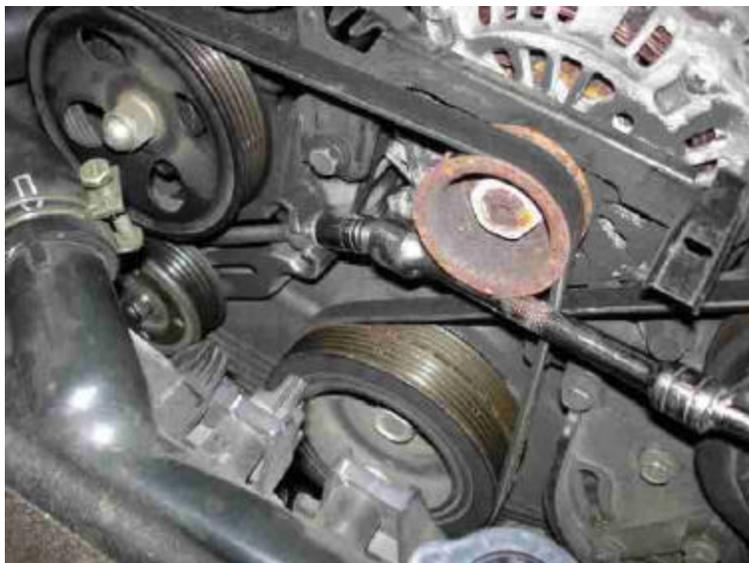
First disconnect the negative battery cable.

Remove the belt cover by disconnecting the 2 bolts on each side and sliding it towards the front of the car. If you try to lift up on it, you will break it.

Loosen the locking nut which secures the tensioner pulley about 1 turn (see arrow below). Be careful, it can be difficult to reinstall if it were to come off.



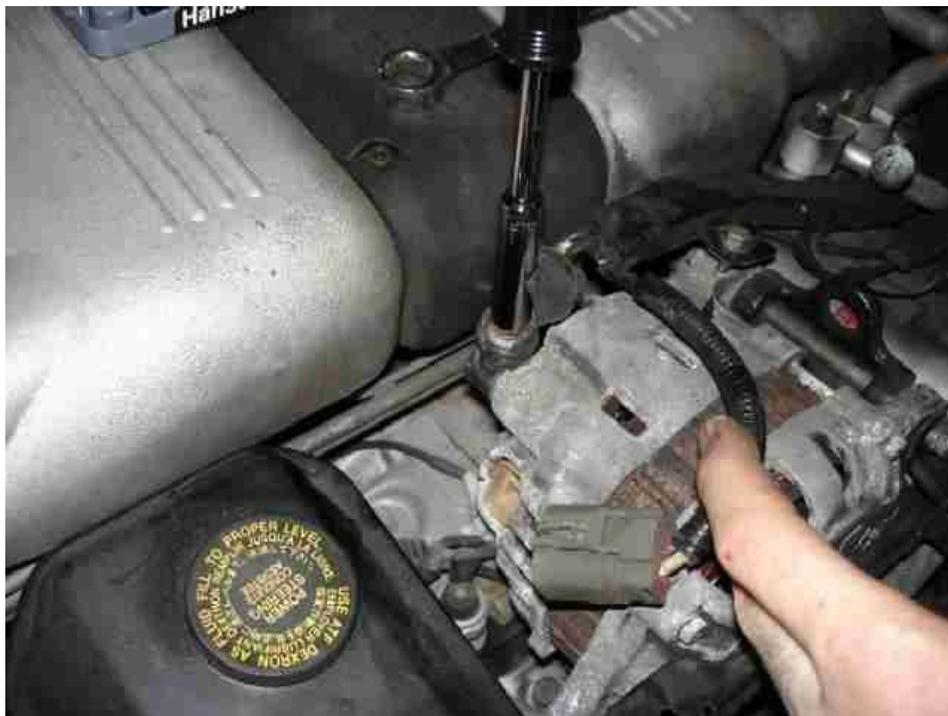
Loosen the tensioner adjustment screw counter-clockwise (socket wrench is on it below).



Remove the belt.



Remove the charging cable and unplug the indicator / exciter plug from the side of the alternator. Be sure that the battery ground cable is disconnected before doing this step.



Remove the cable guide / sheath.



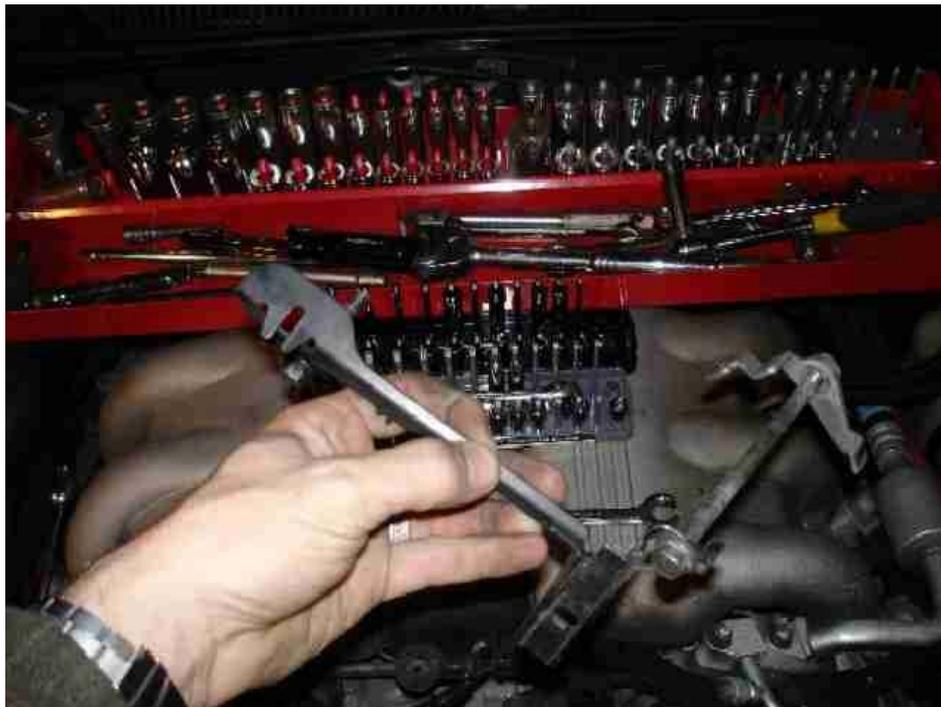
Remove the lower alternator and bracket screw.



Remove the upper alternator pivot and bracket screw.



Pay attention to how the parts go together.



Remove the alternator. You may need to use a pry bar (as shown below) to get it up and out.



The alternator lifted from the mounting location.



Reinstallation of the Alternator

The alternator is ready to go back in. If the pulley looks like this one, you may want to replace it.



Careful use of a pry-bar and hammer are the best tools for getting this to fit back into the mounting area.



Hopefully you remember how the bracket goes in. If not, this picture might help.



Install the upper alternator pivot screw. Leave it loose at this time.



Install the lower alternator screw. Tighten it and also tighten the upper pivot screw.



Secure the charging cable sheath.



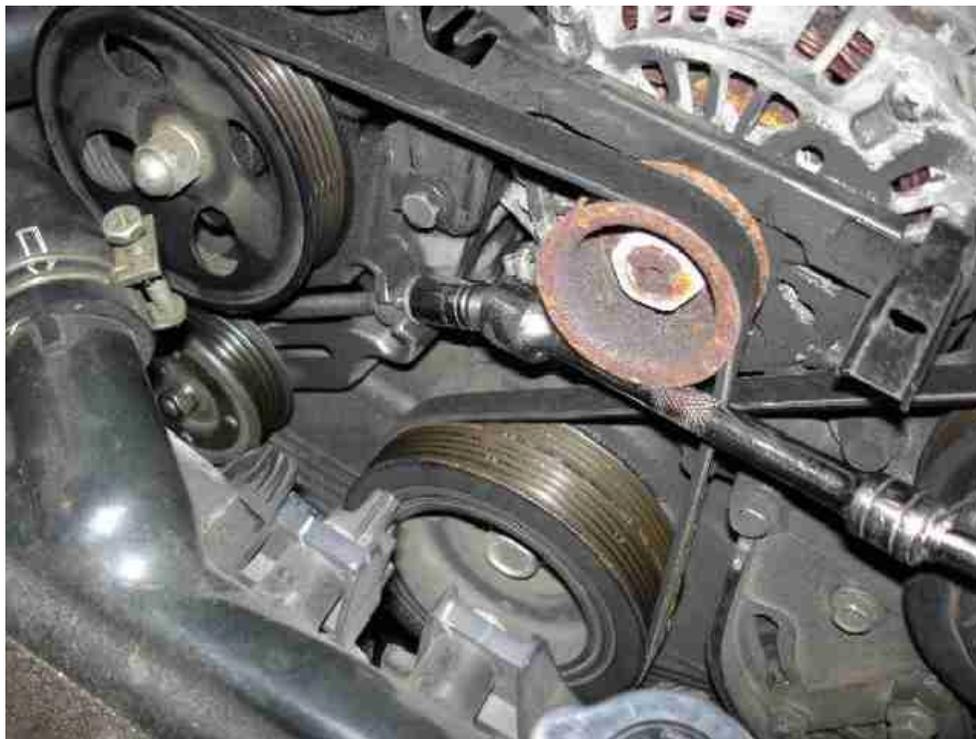
Secure the charging cable to the lug on the alternator. Reattach the battery ground cable.



Install the alternator belt.



Tighten the tensioner pulley screw clockwise.



Tighten the locking nut on the tensioner pulley.



Reinstall the belt plastic belt cover and fasten the 2 screws.